Multiplicom
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ALPORT MASTR

A simple and robust molecular research assay for the identification of SNVs associated with Alport syndrome (AS)

Research application

- Identification of SNVs in the *COL4A3*, *COL4A4* and *COL4A5* genes

Assay characteristics

Genes	*COL4A3, COL4A4, COL4A5*
Genomic region analyzed	39.4 kb
Number of amplicons	149
Amplicon length	270 - 510 bp
Number of plexes	4
DNA amount required	20 ng per multiplex reaction
Verified with	Illumina MiSeq®

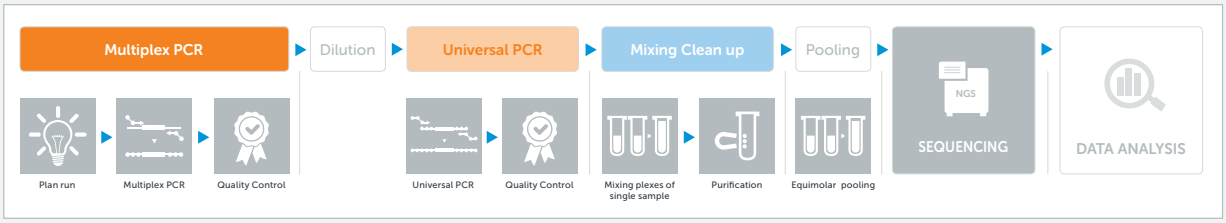
Performance Characteristics

Advised maximum number of samples per run:

Sequencing System	Illumina MiSeq®		
	Reagent kit		
Flow cell	Nano v 2 2 x 250 bp	v2 2 x 250 bp	v3 2 x 300 bp
For SNVs			
Minimal coverage per allele: 20	23	345*	633*

**only 192 MID combinations available.*

Workflow



Order info

Cat. No.	Product Name	Product type	Reactions
MR-0050.008	*ALPORT MASTR*	*Research*	*4*

MID (Molecular Identifiers) kits are necessary to complete the workflow.

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